YNK-DBR No.....
Date.....

AEE, YSTSD
SBR No: 16/24-25
Date: 5/7/2024

Original / Duplicate / Triplicate

No. 4th And final bill

CONTRACT CERTIFICATE

(For Other Works)

Date.....20.....

Division: Yelahanka Division
Bill Received No.....Dated.....Cash Book Voucher No.....dated.....
Sub Division: Yelahanka Division.
Scheduled Docket No.....

Name of Work : Improvements to Roads, Drains and Other Developmental Works at Shivamandira Road, Matru Layout, Shaada Nagar Judicial Layout and Surrounding Area in Ward no 02,03,04 of Yelahanka Division under Amruth Nagarothana Grants. (PACKAGE NO -05).

Job Code No:003-23-000005 **Est. cost: 1295.00 lakhs**

Name of Contractor and Full Address : Sri Gopi Reddy Banglore

Work Order No:**BBMP/EE/YNK.D/EPMT-06/WO/32/2022-23** **Dated : 03-09-2022**

Certified that the measurements were taken by me on 13/3/24 and recorded in pages 587486-493 of measurement Book No. 5875 and that the work is satisfactorily executed.

Contractor Gopi Reddy

Officer-in-charge of work Bangalore Yelahanka WO3. 16-02

Certified that the measurements were taken by me on 13/05/2024 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Ramaranjeewal
Sub-Division Officer

Asstt. Executive Engineer
Yelahanka Sub. Divisor
(BBMP Ynk. Zn)
Yelahanka, Bangalore

If Memorandum of Payment

1) Total value of work done or supplies made as per account within
2) Deduct amount to be held in reserve being.....percent Rs.....
3) Deduct amount to be held in Balance
4) Deduct Payment :
   a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D No.....
   Amount adjusted towards cash advance recovery of
   b) Payments cost store or other materials supplied.
   Now made recovery of amount creditable to this/other work
   Amount paid on this bill Cheque/Cash
5) Balance being unpaid value of work done held in reserve
6) Deduct cash advance made on the office Cash Book Voucher No..... date .....less adjustments
7) Net amount due to or from contractor

Unadjusted items

8) Advance to contractor for materials brought to site (as detailed) within value of Government materials supplied

Gross Amt =Rs	4226692=00
FSD =Rs	—
CGST = Rs	35819=00
SGST = Rs	35819=00
IT = Rs	42267=00
LC = Rs	42267=00
CBF = Rs	4227=00
Royalty =Rs	20028=00
T.D. = Rs	180427=00
Net Amt=Rs	4046265=00

Contractor's Signature Gopi Reddy

Received Rs.....(in words)
By Cash and by adjustment of Payment as per memorandum.

Witnesses :

1.

2.

Dated.....Signature of Contractor Gopi Reddy

(For use in the Office)

Audited & Admitted for Rs. 4226692=00

4046265=00 by Cheque

and Rs. 180427=00 by adjusement

Paid by me by cheque No.....Dated.....

Cash Rs.....Dated.....

Accts. Supdt.
yelahanka Division
BBMP

Executive Engineer

Exe. Engineer
yelahanka Division
BBMP

Initials of Officer Making Payment

Name of Work: Improvements to Roads, Drains and Other Developmental Works at Shivamandira Road, Matru Layout, Shaada Nagar Judicial Layout and Surrounding Area in Ward no 02,03,04 of Yelahanka Division under Amruth Nagarothana Grants. (PACKAGE NO -05)

ABSTRACT

Sl No	Description of Work	Unit	As per Modified Shedule -B			Previous measurement		Present Measurement			Up to date	
			Qty	Rate	Amount	Qty	Amount	Qty	Rate	Amount	Qty	Amount
1	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead I By Manual Means B Cement Concrete Grade M-15 & M-20	Cum	0.00	819.97	0.00	0.00	0.00		819.97	0.00	0.00	0.00
2	Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 m3 in volume and stock piling at designated locations and disposal of dismantled materials and stacking serviceable and unserviceable materials	Cum	49.35	473.25	23354.89	49.30	23332.41		473.25	0.00	49.30	23332.41
3	Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools &	Cum	9886.33	341.00	3371238.53	9886.31	3371237.00		341.00	0.00	9886.31	3371237.00
4	Providing and laying in position plain cement concrete Mix 1:3:6 (M10) for levelling course for all works in foundation. Using 40 mm nominal size graded crushed coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to	Cum	1934.50	6452.10	12481615.96	1934.50	12481615.96		6452.10	0.00	1934.50	12481615.96
	Above 125%	Cum	87.84	6452.10	566740.86	87.84	566740.86		6452.10	0.00	87.84	566740.86
5	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical	Cum	2442.42	7368.31	17996538.95	2442.42	17996538.95		7368.31	0.00	2442.42	17996538.95
6	Supplying, Fitting and Placing un-coated TMT bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications. MORTH Specification NO.1600&2200	tonne	145.15	115906.72	16823478.83	145.15	16823093.55		115906.72	0.00	145.15	16823093.55

7	Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick made of M25 with OPC cement @ 340kgs per Cum with 20 mm and Down size graded granite metal coarse agg @.70 mixed including providing and removing centering, shuttering, shuttering propping etc. for edges of slabs with TMT (Fe500) COM, labor, labor, all Lead and Lift, HOM, Curing, including Cost of reinf. Etc, Complete as directed by the Engineer In charge of Work. (Data Rate)	Sqm	6281.68	2112.92	13272689.95	6281.68	13272689.95		2112.92	0.00	6281.68	13272689.95
	Above 125%	Cum	54.94	2112.92	116091.75	54.94	116091.75		2112.92	0.00	54.94	116091.75
8	Providing B S slabs of selected quality roughly dressed havinf a size of 10 cms thick and fixed in cement mortar (1:6) including fixing curing ete., complete. as directed by the Engineer in Charge of the work (excluding GST and Area Leading Charges)	Sqm	417.59	853.53	356421.33	417.59	356421.33		853.53	0.00	417.59	356421.33
9	Providing Machine Cutting edges to B S slab 2.5 cms. wide as per specifications. (only chamfered length shall be recorded) inclusive of all Taxes complete. as directed by the Engineer in Charge of the work (excluding Area Leading Charges)	M	516.20	397.70	205292.74	516.20	205292.74		397.70	0.00	516.20	205292.74
10	Providing and Fixing pre cast covering Slab made out of CC M20 with 150cm thick and Finishing cutting ,including form work,curing,including cost of all materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc ,copmplete. (Data Rate)	Sqm	0.00	2612.60	0.00	0.00	0.00		2612.60	0.00	0.00	0.00
11	Providing Size Stone masonry with hard stone in foundation & plinth with Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	129.46	6081.99	787374.43	129.45	787329.57		6081.99	0.00	129.45	787329.57
12	Providing Flush/ Ruled pointing: Pointing on stone work with cement mortar 1:3 (1 cement : 3 fine sand) after raking joints to depth nicely lining, including cost of materials, labour, curing as per specifications and as per directions of Engineer-in-charge.	Cum	101.81	224.35	22841.07	101.81	22841.07		224.35	0.00	101.81	22841.07
13	Providing and Fixing pre cast covering Slab 230mm thick made out of CC 1:1.5:3 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incharge	Sqm	214.20	5136.48	1100234.02	214.20	1100234.02		5136.48	0.00	214.20	1100234.02
14	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all	Cum	114.25	6838.04	781237.52	114.25	781237.52		6838.04	0.00	114.25	781237.52
	Above 125%	Cum	155.61	6838.04	1064069.11	155.61	1064069.11		6838.04	0.00	155.61	1064069.11
15	Providing and fixing pre cast solid cement concrete kerb stones made out of M20 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete as directed by the Engineer in Charge of the work (excluding GST and Area Leading Charges)	Nos	10694.17	517.01	5528991.11	10694.17	5528991.11		517.01	0.00	10694.17	5528991.11

	Above 125%	Nos	5993.84	517.01	3098873.50	5993.84	3098873.50		517.01	0.00	5993.84	3098873
16	Painting Two Coats on New Concrete Surfaces Painting two coats after filling the surface with synthetic enamel paint in all shades on new plastered concretesurfaces. MORTH Chapter 803	Sqm	1817.03	95.35	173253.33	1817.03	173253.33		95.35	0.00	1817.03	173253.33
	Above 125%	Sqm	133.53	95.35	12732.37	133.53	12732.37		95.35	0.00	133.53	12732.37
17	Providing and laying heavy duty cobble stones 60mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per m2 over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level , including cost of materials, labour and Usage charges of machinery complete as per specifications.	Sqm	3568.69	1219.32	4351372.04	3568.69	4351372.04		1219.32	0.00	3568.69	4351372.04
	Above 125%	Sqm	385.22	1219.32	469707.67	385.22	469707.67		1219.32	0.00	385.22	469707.67
18	Earth work in surface excavation by mechanical means for lowering & leveling the ground for all works other than foundation in all kinds of soils & upto depth not exceeding 300mm as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenances required to complete the work. In all kinds of soils upto 300 mm depth.	Cum	820.00	72.91	59786.20	819.70	59764.47		72.91	0.00	819.70	59764.47
19	Construction of Granular Sub-Base of required grading as per design mixing in a mechanical mix plant at OMC, carriageof mixed Material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per clause 401 (For Grading -V Material)	Cum	31.50	2632.69	82929.74	31.48	82882.35		2632.69	0.00	31.48	82882.35
20	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver/grader in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density MORTH Specification	Cum	471.40	2685.41	1265902.27	471.33	1265710.67		2685.41	0.00	471.33	1265710.67
21	Providing and applying primer coat with SS1 grade Bitumen Emulsion on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.90 kg per m2 using mechanical means MORTH Specification No. 502	Sqm	7831.61	49.36	386568.39	7831.61	386568.39		49.36	0.00	7831.61	386568.39
22	Providing and applying tack coat with RS1 Bituminous Emulsion using emulsion pressure distributor at the rate of 0.20 kg/m2 on the prepared bituminous surface cleaned with mechanical broom.	Sqm	6744.99	13.46	90787.62	6744.99	90787.62		13.46	0.00	6744.99	90787.62

23	Providing and laying Dense Graded Bituminous Macadam with 40/60 TPH capacity HMP using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 4.5 per cent by weight of total mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRTH specification clause No. 505	Cum	305.80	11092.74	3392159.89	305.79	3391994.89		11092.74	0.00	305.79	3391994.89
24	Providing and laying Bituminous Concrete with 40/60 TPH capacity hot mix plant using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 5.4 percent of mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade,level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 507 complete in all respects (PWD SR 21-22 Vol III Pg no 36 Item No 5.16)	Cum	269.80	12934.61	3489757.78	269.80	3489754.54		12934.61	0.00	269.80	3489754.54
25	Road Marking with Hot Applied Thermoplastic Compound with Reflectorising Glass Beads on Bituminous Surface Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads @ 250 g/ m2 area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35:2015.The finished surface to be level, uniform and free from streaks and holes. MORTH Specification No. 803	Sqm	228.37	536.18	122447.43	228.37	122447.43		536.18	0.00	228.37	122447.43
26	Cost of Haulage Excluding Loading and Unloading Taking output 10 t load and lead 10 km = 100 t.km	Cum	12723.84	107.69	1370230.33	12723.84	1370230.33		107.69	0.00	12723.84	1370230.33
27	Construction of Embankment by excavating the available approved Gravel/Murrum deposited at a place or borrow pits during or prior excavation with all lifts and lead, transportation to site, spreading, grading to required slope and compacting to meet the requirement complete as per specifications, including cost of labour,rolling,water,all materials,usage& all other appurtenaces	Cum	1046.50	450.93	471898.25	1046.14	471734.58		450.93	0.00	1046.14	471734.58
28	Construction of dry lean cement concrete Sub- base over a prepared sub-grade with coarse and fine aggregate conforming to IS: 383, the size of coarse aggregate not exceeding 25 mm,aggregate cement ratio not to exceed 15:1, aggregate gradation after blending to be as per table 600-1, cement content not to be less than 150 kg/ m3 , optimum moisture content to be determined during trial length construction,	Cum	82.90	4706.76	390190.40	31.48	148178.22	51.36	4706.76	241739.19	82.84	389917.41

29	Providing and constructing un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base, with 43 grade cement or any other type as per Clause 1501.2.2 M30 (Grade), coarse and fine aggregates conforming to IS:383, maximum size of coarse aggregate not exceeding 25 mm, mixed in a concrete mixer of not less than 0.2 cum capacity and appropriate weigh batcher using approved mix design, laid in approved fixed side formwork (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the formwork as per drawing), spreading the concrete with shovels, rakes, compacted using needle, screed and plate vibrators and finished in continuous operation including construction joints, , primer, sealant , curing of concrete slabs for 14- days, and water finishing to lines and grade as per drawing and technical specification clause 1501 with all lead, lifts, loading & unloading charges, cost and conveyance of all materials, labour, equipments etc., complete MORTH Specification No.1501 . as per the directions of the Engineer-in-charge of the work. (PWD SR 2021-22 Vol -III Pg 138 item no 20.29)	Cum	108.53	7669.23	832341.53	31.48	241442.70	77.04	7669.23	590837.48	108.52	832280.18
30	Fabricating, providing and erecting in position of MS Hot Dip Galvanised Sq. Hallow Poles of 132 X 132 Heavy gauge of length 3000mm with MS. Hot dip Galvanised grill work as per approved design and drawing of chief architect. Using 12 X 75mm galvanised flat for alround frame and 20 X 20mm galvanised forged design with square for vertical at 150mm c/c as shown in the drawing including	Sqm	202.40	9324.59	1887297.02	202.40	1887297.02		9324.59	0.00	202.40	1887297.02
31	Providing, laying & fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of materials, mortar, including cutting, griding the edge to half/full round wherever required, labour, curing complete as per specification. . (PWD SR 21-22 Vol II Pg no 65 Item No 9.40)	Cum	0.00	1277.64	0.00	0.00	0.00		1277.64	0.00	0.00	0.00

32	Geophysical investigation at site for sinking borewells for supplying drinking water to the habitation either through the Hand Pump MWS or P.W.S.S, by vertical electrical sounding by adopting Venner orSchlumbergers's method, including reconnaissance survey of geological formation. Geophysical investigation of existing ground water in the vicinity, its quality, quantity and acceptability of the users, indicating the location of the site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 metre in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instruments and accessories to work site, engaging technical personal and labour required etc. NOTE: 1) Additional rate on item 1&2 is allowed for drilling in over burden and fixing Casing pipes beyond 20 M (for fixing Casing pipes only) a) Above 20 M and upto 30 M - 15%, b) Above 30 M - 30% (Measurement of overburden is restricted to the depth of casing pipe fixed excluding initial depth of 20M and projection above ground level). 2) A sum of Rs. 100/- is to be deducted for Dry Borewell towards yield test. 22	No's	4.00	5242.53	20970.12	0.00	0.00	4.00	5242.53	20970.12	4.00	20970.12
33	Sinking of Borewell of 165mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burdern upto 20 m. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum	Mts	200.00	295.73	59146.00	0.00	0.00	200.00	295.73	59146.00	200.00	59146.00
34	50 to 100 m	Mts	200.00	371.19	74238.00	0.00	0.00	200.00	371.19	74238.00	200.00	74238.00
35	100 to 150 m	Mts	200.00	394.64	78928.00	0.00	0.00	200.00	394.64	78928.00	200.00	78928.00
36	150 to 200 m	Mts	200.00	457.87	91574.00	0.00	0.00	200.00	457.87	91574.00	200.00	91574.00
37	200 to 250 m	Mts	200.00	537.41	107482.00	0.00	0.00	200.00	537.41	107482.00	200.00	107482.00
38	250 to 300 m	Mts	198.00	569.02	112665.96	0.00	0.00	198.00	569.02	112665.96	198.00	112665.96
39	300 to 350 m	Mts	150.00	632.25	94837.50	0.00	0.00	150.00	632.25	94837.50	150.00	94837.50
40	350 to 400 m	Mts	14.00	710.77	9950.78	0.00	0.00	14.00	710.77	9950.78	14.00	9950.78
41	400 to 450 m	Mts	0.00	948.37	0.00	0.00	0.00	0.00	948.37	0.00	0.00	0.00
42	Supply of ISI mark 175mm nominal bore,plain and steel casing pipe grade of steel Fe 410 of wall thickness conforming to IS 4270-2001 and latest ammendments, electrical resistance welded steel tubes, material and conforming to IS 1387-1993 and manufactured by basic open hearth electric or basic oxygen process in random length of 5-7m both ends.threaded conforming to IS 554-1985 one end fixed with	Rmtr	123.00	1971.18	242455.14	0.00	0.00	123.00	1971.18	242455.14	123.00	242455.14
43	Supply and delivery of galvanized mild steel tubes of 6mtr standard length heavy duty (C Class) as per IS 1239 (Part-I) 1990 with latest amendments with ISI Mark (one end fitted with Heavy Duty collar and other end fitted with protective cover) 50 mm (P. No.162, I. No. 33.1 BWSSB SR 2021-22)	Each	162.00	3421.26	554244.12	0.00	0.00	162.00	3421.26	554244.12	162.00	554244.12
44	PVC pipe - OD 250mm and 6 Kg/sqcm P.34, Sl.No.1175,BWSSB.SR 2021-22	Rmtr	0.00	1121.73	0.00	0.00	0.00	0.00	1121.73	0.00	0.00	0.00

45	Supplying and drawing 3 core flat PVC sheathed submersiblepump cable manufactured with electrolytic grade copper withflexible copper with low resistance conductor confirming to13:8130-1984 and virgin grade PVC insulation and powdercoating extruded PVC sheathed suitable for working voltageupto 1100 V as per IS-694:2010. 3C x 6 mm2 P. No. 4/ I No. 2.6.4 KPWD Electrical SR 2021-22	Mtr	2006.00	246.78	495040.68	0.00	0.00	2006.00	246.78	495040.68	2006.00	495040.68
46	Providing,supplying to work site, Submersible Pump Set of 150mm dia suitable for bore well and confirming to IS 8034-2000;3Phase, SS Bowl & Impeller with Low volt Motor as per specifications,as per necessary ammendments and instructions of engineer incharge of work. 15.00 HP - 120 LPM @ 266 m = 23 STG Outlet Dia - 2.00"(P. No.161, I. No. 18.6, BWSSB SR 2021-22)	Nos	4.00	56960 70625.85	227840 282503.40	0.00	0.00	4.00	56960 70625.85	227840 282503.40	4.00	227840 282503.40
47	Earthing: Supplying and fixing and wiring earth electrode for grounding circuits IC cutouts and other equipments on the meter board in the pit. The pits should be filled up with equal proportion of salt and charcoal 150mm around the pipe to complete depth. The connection from the pipe to the conduits etc. is to established through GI wire of sizes as per clause 7.3.3 of IS 732 using 12mm	job	4.00	3824.06	15296.24	0.00	0.00	4.00	3824.06	15296.24	4.00	15296.24
48	Supply and fixing polished wood board made of not lessthan 15mm thick plank on both sides of not more than 2pieces and fixing the same to the wall using tapered invertedwooden plugs screws. 20" x 20" x 2.5" (P No. 10 No.5.6.6,Part-I Electrical SR 2021-22)	Each	4.00	321.22	1284.88	0.00	0.00	4.00	321.22	1284.88	4.00	1284.88
49	Supplying of 1.1 KV LT UG cable having aluminium condutor PVC insulated shethed, EXTREDED INNER SHEATHRD galvnised steel,stirp (2CX 10Sqm.mm wire armoured) confirming IS 3975;1990(no.of strip indicated i GTP) AND extruded PVC outer sheathing armoured cable IS 1554 part 1;1998 and confirming to GTP of group.A.4 Core 16Sqmm.P	Mtr	47.00	152.96	7189.12	0.00	0.00	47.00	152.96	7189.12	47.00	7189.12
50	Labour charges for laying of 1.1 K.V class UG cable, in existing trench GI Pipe / stoneware pipe /on wall/on poles as required In existing trencg/duct 6 Sqmm to 16 Sqmm)P No. 41 / I No. 6.5.1 KPWD Electrical SR 2019-20	Mtr	123.00	12.11	1489.53	0.00	0.00	123.00	12.11	1489.53	123.00	1489.53
51	Supplying & fixing of Porcelain fuse channel with cut out onexisting wooden/panel using necessary nuts, bolts andwashers. 63 A (P No. 10 No.5.6.6,Part-I Electrical SR 2021-22)	Each	4.00	379.35	1517.40	0.00	0.00	4.00	379.35	1517.40	4.00	1517.40
52	Supplying & fixing miniature circuit breakers on existingMCB distribution boards using necessary fixing materialsand 'C' Type curve, indicator ON/OFF, energy cross-3 withShort circuit breaking capacity of 10K and complete wiring asrequired confirming to IEC 60898. 50-63 A TPN (P No. 13 I.No.5.17.9,Part-I Electrical SR 2021-22)	Each	4.00	2446.38	9785.52	0.00	0.00	4.00	2446.38	9785.52	4.00	9785.52
53	Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the	Cum	381.40	341.00	130057.40	381.40	130057.40	0.00	341.00	0.00	381.40	130057.40
54	Supplying and filling in plinth with sand under floors, foundation of Bridges including watering, ramming, consolidating and dressing complete. (P.No-7,I No-1.11,V-I of PWD SR 2021-22)	Cum	0.00	2442.00	0.00	0.00	0.00	0.00	2442.00	0.00	0.00	0.00

55	Supplying PVC ringtite pipes conforming to IS 4985:2000 with latest amendments and conveying to worksite, rolling and lowering into trenches, laying true to line and level and perfect linking at joints, testing and commissioning, including loading unloading at both destinations and cuts of pipes wherever necessary including jointing of PVC pipes and specials (excluding cost of specials) with jointing of	Mtr	538.00	156.02	83938.76	0.00	0.00	538.00	156.02	83938.76	538.00	83938.76
56	Refilling available earth around trenches/pipelines, cables in layers not exceeding 20 cms in depth, compacting each deposited layer by ramming after watering with a lead upto 50 m , and lift upto 1.5 m. Including cost of all labour complete as per specifications P. No. 7, I	Cum	192.92	136.85	26401.44	0.00	0.00	192.92	136.85	26401.44	192.92	26401.44
57	Supplying fully automatic star-delta starter unit push buttontype with suitable wires, 3 contactors, one adjustablethermal timer mounted on a common base plate held in steel enclosure for use on 400/440 V 3 phase and wired after fixingto the existing wooden board for motor. Above 12.5 HP upto 25 HP (P No. 10 I.No.5.2.2,Part-I Electrical SR	Nos	4.00	8810.64	35242.56	0.00	0.00	4.00	8810.64	35242.56	4.00	35242.56
58	BESCOM Deposit Charges	Nos	0.00	14276.50	0.00	0.00	0.00		14276.50	0.00	0.00	0.00
59	Earth work excavation for pipelines/cables by Manual means upto 600 mm trench width, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m. Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering and lift upto 1.5 m including cost of labour, tools, usage& other	Cum	347.00	527.21	182941.87	0.00	0.00	347.00	527.21	182943.19	347.00	182943.19
60	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and	Cum	7.25	6647.34	48193.22	7.25	48159.98		6647.34	0.00	7.25	48159.98
61	Providing and laying in Reinforced cement concrete for all Basement & surface level works, return walls, retaining walls, sunken floors etc. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts,	Cum	7.25	7617.68	55228.18	7.25	55190.09		7617.68	0.00	7.25	55190.09
62	Providing and laying in Reinforced cement concrete for all Basement & surface level works, return walls, retaining walls, sunken floors etc. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts,	Cum	0.00	7758.75	0.00	0.00	0.00		7758.75	0.00	0.00	0.00
63	Providing and laying in Reinforced cement concrete for all Basement & surface level works, return walls, retaining walls, sunken floors etc. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts,	Cum	22.60	8464.09	191288.43	22.60	191306.63		8464.09	0.00	22.60	191306.63

64	Supplying, Fitting and Placing un-coated TMT bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications. MORTH Specification NO.1600&2200 (PWD SR 2021-22 Vol -III Pg 99 item no 13.1)	Ton	4.96	115906.72	574897.33	4.96	574897.33		115906.72	0.00	4.96	574897.33
65	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x200x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per	Sqm	0.00	1348.31	0.00	0.00	0.00		1348.31	0.00	0.00	0.00
66	Providing 12 mm cement plaster with Cement mortar 1:3 (1 cement: 3 coarse sand) finished with a floating coat of neat cement to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge -Ground Floor (SR, 2021-22 Vol-2, Sl	Sqm	176.90	316.33	55958.78	176.90	55957.20		316.33	0.00	176.90	55957.20
67	Providing 18 mm cement plaster in two coats under layer 12 mm thick cement plaster with cement mortar 1:5 (1 cement : 5 coarse sand) finished with a top layer 6 mm thick cement plaster with cement mortar 1:6 (1 cement : 6 fine sand) to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing	Sqm	285.77	351.10	100332.09	285.77	100332.09		351.10	0.00	285.77	100332.09
68	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3 kg/ m2 including grouting the joint with white cement & matching pigments etc.	Sqm	67.57	1310.58	88555.89	67.57	88556.00		1310.58	0.00	67.57	88556.00
69	Providing skirting, dadooing, rises of steps with colour glazed tiles 6mm thick on 10mm thick cement plaster 1:3 and jointed with white cement slurry over existing rough plaster surface using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. (SR, 2021-22 Vol-2, Sl No 9.39 , P No:65)	Sqm	5.73	2327.58	13337.03	5.73	13337.03		2327.58	0.00	5.73	13337.03
70	Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing	Sqm	11.34	2815.53	31928.11	11.34	31928.11		2815.53	0.00	11.34	31928.11
71	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade :New work (two coats) over and including water thinnable priming coat with cement primer after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per	Sqm	261.05	117.78	30745.88	261.05	30745.88		117.78	0.00	261.05	30745.88

72	Finishing walls with Acrylic Smooth exterior paint of required shade :New work (Two coat applied @ 1.67 ltr/10 m² over and including priming coat of exterior primer applied @ 2.20 kg/10 m²) with paint of approved quality to give an even shade, after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of	Sqm	283.43	98.02	27781.32	283.43	27781.32		98.02	0.00	283.43	27781.32
73	KSRB 7.9: Providing and fixing M.S Grill work for windows and ventilators using M.S flats or M.S fsquare rods or combination of M.S flat and square rods as per approved deisgn, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materail, fixtures, labour and HOM of machinery complete as per specification. Specification No:KBS 7.12	kgs	0.00	104.63	0.00	0.00	0.00		104.63	0.00	0.00	0.00
74	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of	Rmt	108.00	142.07	15343.56	108.00	15343.56		142.07	0.00	108.00	15343.56
75	1.Raw Water pump Qty officer-one number type Mon Block centrifugal operation flow rate -4M3hr operation pressure.4.0kg/cm2 type of drive- phase squirred cage induction motor make- CRI/TEXmo 2.Multigrated sand filter (MSF) Qty offere-one number Type -Top and bottom flow size-15"x65" operation floe rate-4M3/hr Operation pressure-4.0kg/cm2 Type of Modia-Dual-Sand and anthracite	Each	3.00	1070737.05	3212211.15	3.00	3212211.15		1070737.05	0.00	3.00	3212211.15
76	supplying heavy gauge pvc conduit pipe... dia confirming to IS 2509 with suitable size benda. Junction boxes, adhesive paste etc., and fixing using inverted wood plugs in case of RCC ceiling and RCC wall stone structure or rawl plugs in case of brick walls and cement plastering dameged portion using havey gauge saddles at an intereval of 70mm using NF screws (ELE SR 2019-20 Page-2, Item-1.1.2)	mtr	84.00	66.28	5567.52	84.00	5567.52		66.28	0.00	84.00	5567.52
77	Suppling... mm dia 2mm/2.5mm thick heavy gauge PVC conduit pipe with suitable size bends, metal/PVC junction boxes adhesive paste etc..., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures. run with 18SWG GI fish wire wherever necessary.(ELE	mtr	84.00	54.05	4540.20	84.00	4540.20		54.05	0.00	84.00	4540.20
78	Groove cutting in the wall suppling.. Dia 2mm/2.5mm thick heavy gauge PVC Conduit pipe with bends, metal junction boxes adhesive paste etc., and bracing U or J hooks and cement plastering up to the surface of the brick level and run with 18 SWG GI fish wire run through out conduit wherever necessary.(ELE SR 2019-20 Page-2, Item-1.3.2)	mtr	84.00	55.07	4625.88	84.00	4625.88		55.07	0.00	84.00	4625.88
79	Supplying and fixing sheet metal box made out of 18 SWG sheet metal with necessary holes for cable/conduit entry as required with one coat of approved make etc.,.(ELE SR 2019-20 Page-2, Item-1.4.5)	Each	9.00	113.19	1018.71	9.00	1018.71		113.19	0.00	9.00	1018.71
80	supplying and fixing PVC/ Metal conduit accessories. (3/5) (ELE SR	Each	3.00	61.19	183.57	3.00	183.57		61.19	0.00	3.00	183.57
81	Suppling and flush mounting teak wooden box without front plank, made of not less than 12mm thick wood, after due groove cutting, necessary masonry patch work complet. (ELE SR 2019-20 Page-3, Item-1.6.1)	mtr	15.00	104.01	1560.15	15.00	1560.15		104.01	0.00	15.00	1560.15

82	Suppling and wiring adopting loop system in existing PVC Conduit/ casting capping using copper PVC insulated multi strand 2x1.5sqmm copper wire with a 6 Amps flush type SP control switch shall be fixed on the existing plastic sheet / gang box. The outher end of the wires shall be terminated with sufficient loose lenght in a wood / PVC round block. compelete for each outlet. (ELE SR 2019-20 Page-5, Item-2.1.2)	Each	18.00	280.43	5047.74	18.00	5047.74		280.43	0.00	18.00	5047.74
83	Suppling and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos, of machines screws, bolts nuts etc., complete on the existing metal/PVC box,ELE SR 2019-20 Page-9, Item-3.5.3)	No	15.00	178.46	2676.90	15.00	2676.90		178.46	0.00	15.00	2676.90
84	Supplying and fixing of 32 Amps security and energy saving DP switch with key tag suitable to operate on 230 volts, 50Hz AC supply and completely wired on existing box. ELE SR 2019-20 Page-10, Item-3.7)	Each	6.00	693.43	4160.58	6.00	4160.58		693.43	0.00	6.00	4160.58
85	Supplying and fixing of PVC casing and capping on the wall or ceilng using necessary materials like bends, screws at an interval of 300mm... Etc as required. ELE SR 2019-20 Page-3, Item-1.8.1)	mtr	45.00	20.90	940.50	45.00	940.50		20.90	0.00	45.00	940.50
86	Supplying and fixing of PVC casing and capping on the wall or ceilng using necessary materials like bends, screws at an interval of 300mm... Etc as required. ELE SR 2019-20 Page-3, Item-1.8.1)	Each	0.00	22.43	0.00	0.00	0.00		22.43	0.00	0.00	0.00
87	Supplying PVC/GI Flexible conduit pipe.. Mm dia fixing on surface over inverted wooden pugs or phill plugs or rawl plugs and clamped using heavy gauge saddles at an interval of 300mm using NF screws and either end of the pie terminated completely. ELE SR 2019-20 Page-3, Item-1.9.1)	Each	48.00	22.43	1076.64	48.00	1076.64		22.43	0.00	48.00	1076.64
88	Extra for supplying 4mm thick white plastic plate and covering for junction boxes of size 110mm conduit using necessary machine screws.. ELE SR 2019-20 Page-10, Item-3.10.2)	Each	48.00	11.22	538.56	48.00	538.56		11.22	0.00	48.00	538.56
89	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.) - 20mm nominal OD pipes. (P.No.99, I.No. 13.86.2 of PWD SR 2018-19)	Rmt	0.00	258.81	0.00	0.00	0.00		258.81	0.00	0.00	0.00
90	Earth work excavation for Foundation by mechanical means for all works & depth upto 1.5 m, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenaces required to complete the work.(Page no-10,Vol-1, Item No-1.17.1 of PWD SR 2021-22.)	Cum	232.30	217.61	50551.14	232.30	50551.14		217.61	0.00	232.30	50551.14
	Above 125%	Cum	48.54	217.61	10562.74	48.54	10562.74		217.61	0.00	48.54	10562.74

91	Providing Size Stone masonry with hard stone in foundation & plinth with Cement mortar 1:6 (1 cement : 6 coarse sand) (Page no-9,Vol-2, Item No-5.4 of PWD SR 2021-22.).	Cum	0.00	6081.99	0.00	0.00	0.00		6081.99	0.00	0.00	0.00
92	Providing and laying in position Reinforced cement concrete M25 Design Mix Using 20 mm and down size graded crushed coarse aggregates for all Foundation works. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead & lifts, cost of all	Cum	26.21	7402.55	194024.65	26.21	194024.65		7402.55	0.00	26.21	194024.65
93	Providing and laying in position plain cement concrete Mix 1:3:6 (M10) Using 20 mm nominal size graded crushed coarse aggregates for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead &	Cum	11.55	6647.34	76751.85	11.55	76751.85		6647.34	0.00	11.55	76751.85
	Above 125%	Cum	10.98	6647.34	72955.49	10.98	72955.49		6647.34	0.00	10.98	72955.49
94	Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The	Cum	4.32	8010.46	34599.78	4.32	34599.78		8010.46	0.00	4.32	34599.78
95	Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The	Cum	24.13	8738.69	210849.30	24.13	210849.30		8738.69	0.00	24.13	210849.30
96	Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The	Cum	4.36	8090.56	35278.89	4.36	35278.89		8090.56	0.00	4.36	35278.89
97	Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The	Cum	23.94	8826.07	211276.26	23.94	211276.26		8826.07	0.00	23.94	211276.26
98	Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The	Cum	0.71	8170.68	5790.97	0.71	5790.97		8170.68	0.00	0.71	5790.97
99	Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The	Cum	1.05	8913.46	9325.71	1.05	9325.71		8913.46	0.00	1.05	9325.71

100	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x200x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per	Sqm	154.19	1348.31	207889.18	154.19	207889.18		1348.31	0.00	154.19	207889.18
101	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x200x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per	Sqm	123.31	1360.57	167769.17	123.31	167769.17		1360.57	0.00	123.31	167769.17
102	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x200x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per	Sqm	71.90	1372.83	98699.61	71.90	98699.61		1372.83	0.00	71.90	98699.61
103	Providing 15 mm cement plaster on the rough side of single or half brick wall of mix 1:4 (1 cement: 4 fine sand) including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge. (Item No8.2.1,Vol-2, Page no 41 of PWD SR 2021-22)	Sqm	91.02	283.80	25831.48	91.02	25831.48		283.80	0.00	91.02	25831.48
104	Providing 15 mm cement plaster on the rough side of single or half brick wall of mix 1:4 (1 cement: 4 fine sand) including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge. (Item No8.2.1,Vol-2, Page no 41 of PWD SR 2021-22)	Sqm	86.51	286.38	24775.45	86.51	24775.45		286.38	0.00	86.51	24775.45
105	Providing 12 mm cement plaster with cement mortar 1:4 (1 cement: 4 fine sand) to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge(Item No.8.1.1,Vol-2, Page no 41 of PWD SR 2021-22)	Sqm	298.36	244.54	72961.32	298.36	72961.32		244.54	0.00	298.36	72961.32
106	Providing 12 mm cement plaster with cement mortar 1:4 (1 cement: 4 fine sand) to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge(Item No.8.1.1,Vol-2, Page no 41 of PWD SR 2021-22)	Sqm	300.01	246.76	74030.34	300.01	74030.34		246.76	0.00	300.01	74030.34
107	Providing 12 mm cement plaster with cement mortar 1:4 (1 cement: 4 fine sand) to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge(Item No.8.1.1,Vol-2, Page no 41 of PWD SR 2021-22)	Sqm	18.06	248.98	4496.58	18.06	4496.58		248.98	0.00	18.06	4496.58

108	Providing 20 mm cement plaster with cement mortar 1:3 (1 cement: 3 coarse sand) finished with a floating coat of neat cement to brick/stone masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge- Ground Floor(Item No.8.6.2,Vol-2,	Sqm	125.85	426.26	53644.82	125.85	53644.82		426.26	0.00	125.85	53644.82
109	Providing 20 mm cement plaster with cement mortar 1:3 (1 cement: 3 coarse sand) finished with a floating coat of neat cement to brick/stone masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge- First Floor(Item No.8.6.2,Vol-2, Page	Sqm	129.63	430.13	55757.75	129.63	55757.75		430.13	0.00	129.63	55757.75
110	Providing 20 mm cement plaster with cement mortar 1:3 (1 cement: 3 coarse sand) finished with a floating coat of neat cement to brick/stone masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge- Terrace Floor(Item No.8.6.2,Vol-2,	Sqm	125.73	434.01	54568.08	125.73	54568.08		434.01	0.00	125.73	54568.08
111	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete as per specifications and as per directions of Engineer in charge.(Item No 8.51,Vol-2, Page no 50 of PWD SR 2021-22)	Sqm	220.99	93.10	20574.36	220.99	20574.36		93.10	0.00	220.99	20574.36
112	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete as per specifications and as per directions of Engineer in charge.(Item No 8.51,Vol-2, Page no 50 of PWD SR 2021-22)	Sqm	245.43	93.95	23057.87	245.43	23057.87		93.95	0.00	245.43	23057.87
113	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete as per specifications and as per directions of Engineer in charge.(Item No 8.51,Vol-2, Page no 50 of PWD SR 2021-22)	Sqm	18.06	94.80	1712.09	18.06	1712.09		94.80	0.00	18.06	1712.09
114	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade :New work (two coats) over and including water thinnable priming coat with cement primer after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per	Sqm	340.15	117.78	40063.04	340.15	40063.04		117.78	0.00	340.15	40063.04
115	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade :New work (two coats) over and including water thinnable priming coat with cement primer after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per	Sqm	300.01	118.85	35656.13	300.01	35656.13		118.85	0.00	300.01	35656.13

116	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade :New work (two coats) over and including water thinnable priming coat with cement primer after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per	Sqm	18.06	119.92	2165.76	18.06	2165.76		119.92	0.00	18.06	2165.76
117	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade: New work (Two coats applied @ 1.43 ltr/10 m² over and including priming coat of exterior primer applied @ 2.20 kg/10 m²) with paint of approved quality to give an even shade, after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface	Sqm	138.44	152.55	21118.26	138.44	21118.26		152.55	0.00	138.44	21118.26
118	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade: New work (Two coats applied @ 1.43 ltr/10 m² over and including priming coat of exterior primer applied @ 2.20 kg/10 m²) with paint of approved quality to give an even shade, after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface	Sqm	142.59	153.94	21950.77	142.59	21950.77		153.94	0.00	142.59	21950.77
119	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade: New work (Two coats applied @ 1.43 ltr/10 m² over and including priming coat of exterior primer applied @ 2.20 kg/10 m²) with paint of approved quality to give an even shade, after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface	Sqm	125.73	155.33	19529.64	125.73	19529.64		155.33	0.00	125.73	19529.64
120	Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade	Sqm	69.31	3231.69	223972.28	69.31	223972.28		3231.69	0.00	69.31	223972.28
121	Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade	Sqm	69.71	3261.07	227332.45	69.71	227332.45		3261.07	0.00	69.71	227332.45
122	Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade	Sqm	0.00	3290.45	0.00	0.00	0.00		3290.45	0.00	0.00	0.00
123	Providing and laying Hassan Green / River Pink granite flooring for staircase, treads and rises using pre polished 20 mm thick water cut green Granite slab laid over existing cement concrete bed in CM 1:3, average 20mm thick including full rounding for nosing , cutting 3 line grooves not more than 2 mm wide for antiskidding, including cost of all materials,mortar,labour,curing etc.,complete as per	Sqm	14.51	4998.41	72531.93	14.51	72531.93		4998.41	0.00	14.51	72531.93

124	Providing and laying Hassan Green / River Pink granite flooring for staircase, treads and rises using pre polished 20 mm thick water cut green Granite slab laid over existing cement concrete bed in CM 1:3, average 20mm thick including full rounding for nosing , cutting 3 line grooves not more than 2 mm wide for antiskidding, including cost of all materials,mortar,labour,curing etc.,complete as per	Sqm	10.88	5043.85	54877.09	10.88	54877.09		5043.85	0.00	10.88	54877.09
125	Providing and fixing of wall cladding using 20mm thick gang saw water cut Shiva gold granite, grey granite in CM 1:3 (1 cement : 3 coarse sand) proportion cut to required shape, pattern with paper joints, finished with cement mortal using white cement and colour pigments to match the colour of slab making through jointing with sealant, making holes 25mmx12mm grooves in joints including cost of all	Sqm	0.00	3447.06	0.00	0.00	0.00		3447.06	0.00	0.00	0.00
126	Providing and fixing of wall cladding using 20mm thick gang saw water cut Shiva gold granite, grey granite in CM 1:3 (1 cement : 3 coarse sand) proportion cut to required shape, pattern with paper joints, finished with cement mortal using white cement and colour pigments to match the colour of slab making through jointing with sealant, making holes 25mmx12mm grooves in joints including cost of all	Sqm	0.00	3478.40	0.00	0.00	0.00		3478.40	0.00	0.00	0.00
127	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick bed of cement mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/ m2 including pointing the joints with white	Sqm	11.46	867.09	9936.85	11.46	9936.85		867.09	0.00	11.46	9936.85
128	Providing skirting, dadooing, rises of steps with colour glazed tiles 6mm thick on 10mm thick cement plaster 1:3 and jointed with white cement slurry over existing rough plaster surface using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. (Item No 9.39, Page no 65 of PWD SR 2021-22)	Sqm	46.17	2327.58	107464.37	46.17	107464.36		2327.58	0.00	46.17	107464.36
129	Providing and laying water proofing treatment to the Roof with PU based single component elastomeric pure polyurethane based coating on New terrace/Chajjas/Sunken portion of WC:Bathroom, cold applied PU waterproofing membrane that is highly elastic with elongation greater than 400% and tensile strength greater than 2MPa as per ASTM D412. The waterproofing membrane to be applied in	Sqm	8.16	835.96	6821.43	8.16	6821.43		835.96	0.00	8.16	6821.43
130	Providing and laying water proofing treatment to the Roof with PU based single component elastomeric pure polyurethane based coating on New terrace/Chajjas/Sunken portion of WC:Bathroom, cold applied PU waterproofing membrane that is highly elastic with elongation greater than 400% and tensile strength greater than 2MPa as per ASTM D412. The waterproofing membrane to be applied in	Sqm	87.78	850.88	74690.25	87.78	74690.25		850.88	0.00	87.78	74690.25
131	KSRB10-3 :Providing and laying integral cement based water proofing treatment including preparation of surfa ce as required for treatment of roofs, balconies, terrace s etc., consisting of following application.(a) Applying and grouting a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with proprietary water proofing compound confor ming to IS:2645 over the RCCslab after cleaning the	Sqm	76.70	1135.27	87075.21	76.70	87075.21		1135.27	0.00	76.70	87075.21

132	Providing Mathi / Nandi wood wrought and putup for purlins, common rafters and similar work including cost of materials, labour, usage charges complete as per specifications. (Item No 12.3, Vol-2, Page no 99 of PWD SR 2021-22)	Cum	0.66	82962.78	54755.43	0.66	54755.43		82962.78	0.00	0.66	54755.43
133	Providing Mathi / Nandi wood wrought and putup for purlins, common rafters and similar work including cost of materials, labour, usage charges complete as per specifications. (Item No 12.3, Vol-2, Page no 99 of PWD SR 2021-22)	Sqm	0.45	83716.99	37672.65	0.45	37672.65		83716.99	0.00	0.45	37672.65
134	Providing and fixing 30 mm thick both side commercial flush door shutter made out of solid core block board type, well seasoned , chemicaly treated hard wood battens and internal frame with minimum 45 mm wide wooden frame alround door shutters covered with cross bonded wooden sheets (core veneer) hot pressed and fastened on both sides of the door useing liquid phenol formaldehyde	Sqm	4.41	2959.11	13049.68	4.41	13049.68		2959.11	0.00	4.41	13049.68
135	Providing and fixing 30 mm thick both side commercial flush door shutter made out of solid core block board type, well seasoned , chemicaly treated hard wood battens and internal frame with minimum 45 mm wide wooden frame alround door shutters covered with cross bonded wooden sheets (core veneer) hot pressed and fastened on both sides of the door useing liquid phenol formaldehyde	Sqm	4.41	2986.11	13168.75	4.41	13168.75		2986.11	0.00	4.41	13168.75
136	UPVC WINDOWS Providing & fixing of 3-track x 2-panel sliding windows made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPE(Thermo Plastic Elastomer) and lead free, gaskets -grey colour having isolated drainage and reinforced with Galvanized Iron profile through-out the window frame. The outer frame having an overall size	Sqm	10.08	8121.29	81862.60	10.08	81862.60		8121.29	0.00	10.08	81862.60
137	UPVC WINDOWS Providing & fixing of 3-track x 2-panel sliding windows made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPE(Thermo Plastic Elastomer) and lead free, gaskets -grey colour having isolated drainage and reinforced with Galvanized Iron profile through-out the window frame. The outer frame having an overall size	Sqm	12.42	8195.12	101783.39	12.42	101783.39		8195.12	0.00	12.42	101783.39
138	Providing and fixing M.S. Gate as per Chief Architect Drawing, using 50mm x 50mm 14 guage M.S. hollow pipe frame work bent to ornamental shape as shown in the drawing and 35mm x 6mm and 16 x 16mm Square rods for verticals alternatively spaced at 4cms c/c in two halves and 40mmx6mm M.S. flats for horizontal member and at the top cast iron spikes are provided at alternate vertical members	Sqm	4.32	3378.64	14595.72	4.32	14595.72		3378.64	0.00	4.32	14595.72
139	Providing and fixing M.S. Gate as per Chief Architect Drawing, using 50mm x 50mm 14 guage M.S. hollow pipe frame work bent to ornamental shape as shown in the drawing and 35mm x 6mm and 16 x 16mm Square rods for verticals alternatively spaced at 4cms c/c in two halves and 40mmx6mm M.S. flats for horizontal member and at the top cast iron spikes are provided at alternate vertical members	Sqm	0.00	3409.35	0.00	0.00	0.00		3409.35	0.00	0.00	0.00
140	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to steel windows by welding (Page no-85, Vol-2, Item No-11.34A of PWD SR 2021-22) -Ground Floor	Kgs	430.20	146.95	63217.89	430.20	63217.89		146.95	0.00	430.20	63217.89

141	*Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to steel windows by welding (Page no-85, Vol-2, Item No-11.34A of PWD SR 2021-22) - First Floor*	Kgs	310.50	148.28	46040.94	310.50	46040.94		148.28	0.00	310.50	46040.94
142	Providing and fixing M.S.Grill over existing compound wall as per, using 16mm x 16mm M.S.Square rod at 150mm c/c spacing and 6mm x 40mm M.S. flats at horizontal and 6mm x12mm M.S. flat for ornamental design and providing shop edge design at the vertex of every vertical rods, including welding, grinding wherever necessary. All the steel surface should be thoroughly cleaned free of rust and	Sqm	14.87	6022.54	89555.17	14.87	89555.17		6022.54	0.00	14.87	89555.17
143	Providing and fixing M.S.Grill over existing compound wall as per, using 16mm x 16mm M.S.Square rod at 150mm c/c spacing and 6mm x 40mm M.S. flats at horizontal and 6mm x12mm M.S. flat for ornamental design and providing shop edge design at the vertex of every vertical rods, including welding, grinding wherever necessary. All the steel surface should be thoroughly cleaned free of rust and	Sqm	14.87	6077.29	90369.30	14.87	90369.30		6077.29	0.00	14.87	90369.30
144	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the	KGS	89.70	560.86	50309.14	89.70	50309.14		560.86	0.00	89.70	50309.14
145	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the	KG	78.00	565.96	44144.88	78.00	44144.88		565.96	0.00	78.00	44144.88
146	Providing and laying water proofing treatment to the Water tanks & Liquid Retaining structures with two component acrylic polymer modi fied cementitious waterproofing membrane with minimum elongation of 50% applied @ 1.5 kg/m2 for internal side waterproofing in two layers with waiting period of 4-6 hrs per layer and food grade epoxy coating in two coats certified by CFTRI Mysuru,	Sqm	34.63	515.02	17837.00	34.63	17837.00		515.02	0.00	34.63	17837.00
147	Providing Thermo-Mechanically Treated bars of grade Fe-500D or more Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not be measured	KG	6635.93	98.71	655032.95	6635.93	655032.95		98.71	0.00	6635.93	655032.95
148	Providing Thermo-Mechanically Treated bars of grade Fe-500D or more Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not be measured	KG	4341.46	99.61	432452.33	4341.46	432452.33		99.61	0.00	4341.46	432452.33

149	Providing Thermo-Mechanically Treated bars of grade Fe-500D or more Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not be measured	KG	242.92	100.51	24416.09	242.92	24416.09		100.51	0.00	242.92	24416.09
150	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good	Nos	2.00	5614.23	11228.46	2.00	11228.46		5614.23	0.00	2.00	11228.46
151	Providing and fixing white vitreous china flat back half stall urinal of size 580x380x350 mm with white PVC automatic flushing cistern, with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS : 2556, C.I. trap with outlet grating and other couplings in C.P. brass, including painting of fittings and cutting and making good the walls and floors	Nos	3.00	12890.86	38672.58	3.00	38672.58		12890.86	0.00	3.00	38672.58
152	Providing and fixing wash basin with C.I. brackets, 15 mm dia CP Brass single hole basin mixer of approved quality and make, including painting of fittings and brackets, cutting and making good the walls wherever required: using White Vitreous China Wash basin size 550x400 mm with a 15 mm CP Brass single hole basin mixer(Item No 14.7A, Vol-2, Page no 125 of PWD SR 2021-22)	Nos	3.00	4037.09	12111.27	3.00	12111.27		4037.09	0.00	3.00	12111.27
153	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. 40 mm dia semi rigid (Item No 14.28.1.2, Page no 128 of PWD SR 2021-22)	Nos	3.00	241.17	723.51	3.00	723.51		241.17	0.00	3.00	723.51
154	Providing and fixing PTMT towel rail 600 mm long towel rail with total length of 645 mm, width 78 mm and effective height of 88 mm, weighing not less than 190 g. complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour. (Item No 14.40.2,Vol-2, Page no 130 of PWD SR 2021-22)	Nos	3.00	426.26	1278.78	3.00	1278.78		426.26	0.00	3.00	1278.78
155	Providing and fixing 453x357mm dia rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing including cost of materials, labour complete as per specifications and directions of the Engineer in charge.(Item No 14.32.3, Page no 128 of PWD SR 2021-22)	Nos	3.00	974.78	2924.34	3.00	2924.34		974.78	0.00	3.00	2924.34
156	Providing and fixing to wall, ceiling and floor unplasticised PVC 6.00 kgs/sqcm working pressure with pipe fittings, wall clips etc., and making good the wall, ceiling and floor for sanitary pipelines including cost of all materials,labour charges, HOM of acquirements and testing complete as per specifications.For Rain water pipe. -do - 110 mm dia complete as per specifications and directions of the Engineer in	Nos	110.00	667.43	73417.30	110.00	73417.30		667.43	0.00	110.00	73417.30

157	Providing and fixing Chlorinated Poly Venyl Chloride (CPVC) 25 pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of	Mtr	25.00	328.67	8216.75	25.00	8216.75		328.67	0.00	25.00	8216.75
158	Providing and fixing Chlorinated Poly Venyl Chloride (CPVC) 25 pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of	Mtr	30.00	331.65	9949.50	30.00	9949.50		331.65	0.00	30.00	9949.50
159	Providing and fixing Chlorinated Poly Venyl Chloride (CPVC) 25 pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of	Mtr	20.00	334.64	6692.80	20.00	6692.80		334.64	0.00	20.00	6692.80
160	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) 20 pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of	Mtr	20.00	263.31	5266.20	20.00	5266.20		263.31	0.00	20.00	5266.20
161	Constructing brick masonry inspection chamber 600x600mm, and 450mm depth, (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) 455x610mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg) R.C.C. top slab with	Nos	4.00	9523.45	38093.80	4.00	38093.80		9523.45	0.00	4.00	38093.80
162	Providing and placing on terrace, polyethylene water storage tanks with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications. (For 5000 Litre capacity) as per Specification and directions of the Engineer in charge. (Item No 13.78,	Nos	1.00	38295.69	38295.69	1.00	38295.69		38295.69	0.00	1.00	38295.69
163	Providing and fixing in position brass bib cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications and directions of the Engineer in charge.(Item No 13.2.2, Page no 115 of PWD SR 2020-21)	Nos	6.00	387.00	2322.00	6.00	2322.00		387.00	0.00	6.00	2322.00
164	Providing and fixing in position brass stop cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications and directions of the Engineer in charge. (Item No 13.3.2, Page no 115 of PWD SR 2021-22)	Nos	4.00	387.00	1548.00	4.00	1548.00		387.00	0.00	4.00	1548.00

165	Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 25mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.and directions of the Engineer in charge. (Item No 13.4.1, Page no 115 of PWD SR 2020-21)	Nos	4.00	592.27	2369.08	4.00	2369.08		592.27	0.00	4.00	2369.08
166	Providing and fixing CUBICLE WORKSTATIONS consisting of wings made out of 75 mm thick MS CRCA powder coated,tile based system for main and return spine, Top tile finish 8 mm thick MDF covered with Fabric of approved colour and one writing board (600 mm W) and one soft board (600 mm W) per workstation, Bottom tile finish 9	Nos	2.00	56086.25	112172.50	2.00	112172.50		56086.25	0.00	2.00	112172.50
167	FREE STANDING TABLE FOR CABIN - WITHOUT FRAMES Providing and fixing Free Standing Table for Cabin- without frames consisting of 25 mm thick PLPB table top, 25 mm thick PLPB with edge bomded End table, 18 mm thick PLPB with edge bonded Modesty, Wire manager -ABS plastic grommet one number per table Hardware-	Nos	2.00	13415.83	26831.66	2.00	26831.66		13415.83	0.00	2.00	26831.66
168	Providing and fixing M.S.Grill over existing compound wall as per, using 16mm x 16mm M.S.Square rod at 150mm c/c spacing and 6mm x 40mm M.S. flats at horizontal and 6mm x12mm M.S. flat for ornamental design and providing shop edge design at the vertex of every vertical rods, including welding, grinding wherever necessary. All the steel surface should be thoroughly cleaned free of rust and	Sqm	42.85	6132.04	262748.10	42.85	262748.10		6132.04	0.00	42.85	262748.10
169	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :Two coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of	Sqm	45.40	145.82	6620.23	45.40	6620.23		145.82	0.00	45.40	6620.23
170	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :Two coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of	Sqm	29.34	147.15	4317.38	29.34	4317.38		147.15	0.00	29.34	4317.38
171	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :Two coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of	Sqm	0.00	148.48	0.00	0.00	0.00		148.48	0.00	0.00	0.00
172	CONCEALED CONDUIT SYSTEM: Supplying mm dia 2mm 2.5mm thick heavy gauge PVC Conduit pipe with suitable size bends, metal/PVC junction boxes adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures run with 18 SWG GI fish	M	150.00	40.79	6118.50	150.00	6118.50		40.79	0.00	150.00	6118.50
173	CONCEALED CONDUIT SYSTEM: Supplying mm dia 2mm 2.5mm thick heavy gauge PVC Conduit pipe with suitable size bends, metal/PVC junction boxes adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures run with 18 SWG GI fish	M	50.00	54.05	2702.50	50.00	2702.50		54.05	0.00	50.00	2702.50

174	*Open Conduit System - supplying heavy gauge PVC conduit pipe dia mm thick comfirming to IS 2509 with suitable size bends, junction boxes, adhesive paste etc., and fixing using inverted wood plugs in case of RCC ceiling and RCC wall / stone structure or rawl plugs in case of brick walls and cement plastering the damaged portion using heavy gauge saddles at an interval of 700mm using NF screws. complete as*	M	40.00	93.82	3752.80	40.00	3752.80		93.82	0.00	40.00	3752.80
175	Groove cutting : Supplying heavy gauge conduit PVC 25/2mm of s thick heavy with suitable size bend , metal junction boxes, adhesive pastes etc, by groove cutting in a wall and fixing by bracing U or J hooks and cement plastering up to the surface and run with 18SWG GI fish wire run throughout the conduit where ever necessary. 19/20mm dia, 2mm thick complete as per specifications.and directions of the Engineer in charge.	M	80.00	40.79	3263.20	80.00	3263.20		40.79	0.00	80.00	3263.20
176	Groove cutting : Supplying heavy gauge conduit PVC 25/2mm of s thick heavy with suitable size bend , metal junction boxes, adhesive pastes etc, by groove cutting in a wall and fixing by bracing U or J hooks and cement plastering up to the surface and run with 18SWG GI fish wire run throughout the conduit where ever necessary. 32mm dia, 2mm thick complete as per specifications.and directions of the Engineer in charge.	M	20.00	54.05	1081.00	20.00	1081.00		54.05	0.00	20.00	1081.00
177	Supplying and fixing PVC/metal conduit Deep junction box complete as per specifications and directions of the Engineer in charge 19/20mm deep junction box	Nos	20.00	43.85	877.00	20.00	877.00		43.85	0.00	20.00	877.00
178	Supplying and fixing PVC/metal conduit Deep junction box complete as per specifications and directions of the Engineer in charge 25 mm deep junction box	Nos	15.00	47.93	718.95	15.00	718.95		47.93	0.00	15.00	718.95
179	Supplying and fixing PVC/metal conduit Deep junction box complete as per specifications and directions of the Engineer in charge 32mm deep junction box	Nos	10.00	61.19	611.90	10.00	611.90		61.19	0.00	10.00	611.90
180	Supplying and flush mounting teak wooden box without front plant made of not less than 12mm thick wood, after due groove cutting, necessary masonry patch work complete.complete as per specifications and directions of the Engineer in charge 1 to 2 way	Nos	5.00	33.65	168.25	5.00	168.25		33.65	0.00	5.00	168.25
181	Supplying and flush mounting teak wooden box without front plant made of not less than 12mm thick wood, after due groove cutting, necessary masonry patch work complete.complete as per specifications and directions of the Engineer in charge 3 to 4 way	Nos	5.00	40.79	203.95	5.00	203.95		40.79	0.00	5.00	203.95
182	Extra for groove cutting in brick wall /CC floor' to the suitable depth for con cealing of conduit/GI pipe and plastering,finishing upto wall surface complete. complete as per specifications and directions of the Engineer in charge	Nos	150.00	21.40	3210.00	150.00	3210.00		21.40	0.00	150.00	3210.00
183	Suplplying and fixing "S" Hook made out of 14mm dia M.S. rod complete as per specifications and directions of the Engineer in charge	Nos	5.00	34.67	173.35	5.00	173.35		34.67	0.00	5.00	173.35

184	*Point wiring using copper wire with switch: Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using 2x1.5Sqmm (Phase & Neutral) & 1x1.0 sqmm (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS-694: and latest amendments) with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. complete as per specifications and directions of the Engineer in charge Short point upto 3Mtrs from tapping point to out let via switch*	Nos	8.00	203.95	1631.60	8.00	1631.60		203.95	0.00	8.00	1631.60
185	Point wiring using copper wire with switch: Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using 2x1.5Sqmm (Phase & Neutral) & 1x1.0 sqmm (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS-694: and latest amendments) with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. complete as per specifications and directions of the Engineer in charge . Medium point above 3Mtrs upto 6Mtr from Tapping point to out let via switch	Nos	8.00	280.43	2243.44	8.00	2243.44		280.43	0.00	8.00	2243.44
186	Wiring for lighting/power circuit using one of PVC insulated 1100v grade, multistrand Copper conductor single core cable in open or consealed system of wiring. I Group A 1 sqmm complete as per specifications and directions of the Engineer in charge	M	125.00	14.28	1785.00	125.00	1785.00		14.28	0.00	125.00	1785.00
	Above 125%	M	325.00	14.28	4641.00	325.00	4641.00		14.28	0.00	325.00	4641.00
187	Wiring for lighting/power circuit using Grade using one of FRLS PVC insulated 1100 volts grade, multistrand copper with low conductor resistance single core wire in open or concealed system of wiring. With specified IS-694: confirming to Latest amendements. 2.5 sqmm complete as per specifications.and directions of the Engineer in charge.	M	80.00	32.63	2610.40	80.00	2610.40		32.63	0.00	80.00	2610.40
188	Wiring for lighting/power circuit using Grade using one of FRLS PVC insulated 1100 volts grade, multistrand copper with low conductor resistance single core wire in open or concealed system of wiring. With specified IS-694: confirming to Latest amendements. 4 sqmm complete as per specifications.and directions of the Engineer in charge.	M	80.00	45.89	3671.20	80.00	3671.20		45.89	0.00	80.00	3671.20
189	Wiring for lighting/power circuit using Grade using one of FRLS PVC insulated 1100 volts grade, multistrand copper with low conductor resistance single core wire in open or concealed system of wiring. With specified IS-694: confirming to Latest amendements. 6 sqmm complete as per specifications.and directions of the Engineer in charge.	M	60.00	71.38	4282.80	60.00	4282.80		71.38	0.00	60.00	4282.80
190	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC/ box. complete as per specifications and directions of the Engineer in charge 1 to 3 module	Nos	15.00	112.17	1682.55	15.00	1682.55		112.17	0.00	15.00	1682.55

191	*Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC/ box. complete as per specifications and directions of the Engineer in charge 4 module*	Nos	12.00	127.47	1529.64	12.00	1529.64		127.47	0.00	12.00	1529.64
192	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC/ box. complete as per specifications and directions of the Engineer in charge 6 module	Nos	10.00	178.46	1784.60	10.00	1784.60		178.46	0.00	10.00	1784.60
193	Supply box type suitable for 28W T5 single / twin lamp & suspension mounted luminaire and optical reflector. Prewired with HF electronic ballast, push fit type lamp holders and main connectors. Channel cover shall be made of CRCA MS sheet and finishing is done with stone enameled white with end caps made of engineering plastic complete as per specifications and directions of the Engineer in	Nos	12.00	520.07	6240.84	12.00	6240.84		520.07	0.00	12.00	6240.84
194	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' type curve, indicator ON/OFF, energy cross-3 with short circuit breaking capacity of 10K and Complete wiring as required. complete as per specifications and directions of the Engineer in charge 50-63 Amps SP	Nos	3.00	737.20	2211.60	3.00	2211.60		737.20	0.00	3.00	2211.60
195	LED Drivers suitable for 5700K LED fitting Outdoor Fixtures 240W 5700K suitable for outdoor LED fitting complete as per specifications and directions of the Engineer in charge	Nos	4.00	7716.45	30865.80	4.00	30865.80		7716.45	0.00	4.00	30865.80
196	Supplying 4mm thick plastic sheet with necessary nitches for fixing switches regulators etc., and fixing on existing wooden or metal box using N.F.Screws. complete as per specifications and directions of the Engineer in charge	Sqcm	200.00	0.28	56.00	200.00	56.00		0.28	0.00	200.00	56.00
197	Supplying capacitor type ceiling fan complete with down rod blades shackle, canopies etc, for operation on 230 volts, 50 cycles. single phase AC supply conforming to ISS-374-1979 and with double ball bearing system 48" sweep (1200mm) complete as per specifications.and directions of the Engineer in charge.	Nos	8.00	2131.00	17048.00	8.00	17048.00		2131.00	0.00	8.00	17048.00
198	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293 complete as per specifications and directions of the Engineer in charge Stepped Fan Regulator	Nos	8.00	295.60	2364.80	8.00	2364.80		295.60	0.00	8.00	2364.80
199	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293 complete as per specifications and directions of the Engineer in charge TV/Telephone socket	Nos	4.00	80.55	322.20	4.00	322.20		80.55	0.00	4.00	322.20
200	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293 complete as per specifications and directions of the Engineer in charge RJ45/I.O. outlet	Nos	5.00	198.70	993.50	5.00	993.50		198.70	0.00	5.00	993.50

201	Fixing a Ceiling/Wall mounting fan of all capacities and all types to the existing S hook with fan regulator to the existing board together with supplying and fixing a 5 ampers ceiling rose, necessary length of 23/0.0076 inch PVC insulated twin twisted copper wire and wiring completely. complete as per specifications and directions of the Engineer in charge	Nos	4.00	152.90	611.60	4.00	611.60		152.90	0.00	4.00	611.60
202	Supplying and fixing Moulded Cases Cicuit Breaker (MCCB) over the existing wood/panel/ board using necessary screws, bolts, nuts and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947.(Icu = Ics) . complete as per specifications and directions of the Engineer in charge 100Amps 25kA.	Nos	2.00	4619.47	9238.94	2.00	9238.94		4619.47	0.00	2.00	9238.94
203	Supplying and fixing Moulded Cases Cicuit Breaker (MCCB) over the existing wood/panel/ board using necessary screws, bolts, nuts and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947.(Icu = Ics) . complete as per specifications and directions of the Engineer in charge 250Amps 25kA	Nos	1.00	15653.16	15653.16	1.00	15653.16		15653.16	0.00	1.00	15653.16
204	Supplying, fixing wiring earth electrode for gounding conduits, I.C.Cutouts and other equipments on the meter board using 40mm dia 2.90 thick GI 2.5 mtr long buried in a pit... the pit should be filled with equal proportion of salt and charcoal 150mm alround the pipe to complete depth. The connection from the pipe to the conduit etc, is to be established through GI wire of size as oer ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and checknuts etc, the pipe shall have 16 through holes of 12 mm dia. complete as per specifications and directions of the Engineer in charge	Nos	2.00	3058.94	6117.88	2.00	6117.88		3058.94	0.00	2.00	6117.88
205	Supplying of 1.1 KV LT UG cable having aluminium conductor PVC insulated, extruded inner sheathed, galvanised, steel strip (except 2Cx 10Sq.mm wire armoured) Confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheated armoured cable with confirming to the attached GTP of GROUP-A. (62/7.4) 4 core 16 sqmm complete as per specifications.and directions of the Engineer in charge.	M	20.00	152.90	3058.00	20.00	3058.00		152.90	0.00	20.00	3058.00
206	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe/ stoneware pipe/ on wall/ on pole as required. I. In existing trench /duct. complete as per specifications.and directions of the Engineer in charge. 6sqmm to 16 sqmm	M	20.00	12.10	242.00	20.00	242.00		12.10	0.00	20.00	242.00
207	Supplying and fixing of class A (medium duty) GI pipe of wall thick ness not less than 3.25 mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class. complete as per specifications.and directions of the Engineer in charge 40 mm	Nos	0.00	341.60	0.00	0.00	0.00		341.60	0.00	0.00	0.00
208	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc. complete as per specifications.and directions of the Engineer in charge 16 Sqmm	Nos	1.00	275.30	275.30	1.00	275.30		275.30	0.00	1.00	275.30
209	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers etc.complete as per specifications.and directions of the Engineer in charge 32	Nos	6.00	177.40	1064.40	6.00	1064.40		177.40	0.00	6.00	1064.40

210	Supplying and fixing regular MCB distribution boards on well /wood board /flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB`s single phase /3 phase /single for with powder coated painting etc., complete as per specifications.and directions of the Engineer in charge . Single Door b)	Nos	2.00	978.90	1957.80	2.00	1957.80		978.90	0.00	2.00	1957.80
211	Supplying of 1440rpm heavy duty exhaust fan with bracket blades suitable to operate on 230V 50Hz, AC Supply complete complete as per specifications.and directions of the Engineer in charge 12" Sweep (300mm)	Nos	3.00	2141.00	6423.00	3.00	6423.00		2141.00	0.00	3.00	6423.00
212	Supplying and drawing UTP-CAT 6E LAN cable omplete as per specifications.and directions of the Engineer in charge	M	10.00	29.55	295.50	10.00	295.50		29.55	0.00	10.00	295.50
213	Supplying and drawing PVC flexible one pair telephone unarmoured tinned copper cable omplete as per specifications.and directions of the Engineer in charge 2 pairs	M	15.00	14.76	221.40	15.00	221.40		14.76	0.00	15.00	221.40
214	Meter and panel board : Supply and delivery of meter and panel boarc unit one number of MS box of size 300 x 120 mm size fabricated out of 2 mm thick sheet metal with sealable door arrangement for mounting the CTS (If any) cutouts 3 phase dia 4 wire energy meter and cable box complete A tranperent glass piece should be provided	Nos	1.00	6760.60	6760.60	1.00	6760.60		6760.60	0.00	1.00	6760.60
215	Earthing: supplying and fixing and wiring earth electrode for grounding circuits IC cut outs and other equipment on the meter board in the pit the pits should be filled in with a equal proportion of salt and charcoal 150 mm around the pipe to complete depth the connection from the GI wire of size as per the clause 1, 3.3 of IS 732	Nos	1.00	1529.30	1529.30	1.00	1529.30		1529.30	0.00	1.00	1529.30
216	Providing & Installing Pumping Machinery1.50 HP 10.00 Stage with accessiories.(P.XLII /Sl.No.9 PW,P & IWTD, BENGALURU CIRCLE-SR 2018-19)	Nos	1.00	14565.30	14565.30	1.00	14565.30		14565.30	0.00	1.00	14565.30
E1	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x150x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per	Sqm	179.12	1173.70	210227.28	179.12	210227.28		1173.70	0.00	179.12	210227.28
E2	UPVC Windows Providing & fixing of2-track x 2-panel sliding windowssliding windows made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPE(Thermo Plastic Elastomer) and lead free, gaskets -grey colour Volume-2 Pg- A34 Item No-720 PWD SR 21-22	Sqm	8.10	5593.50	45307.35	8.10	45307.35		5593.50	0.00	8.10	45307.35
E3	PVC pipe - OD 315mm and 6 Kg/sqcm	Mtr	66.00	1738.59	114746.84	0.00	0.00	66.00	1738.59	114746.84	66.00	114746.84
E4	Providing and laying at site of work MS casing caps as per IS 1239 (partII) 1982 with all latest amendments if any for any dia. The thickness of plate used for covering one end shall be 3mm (minimum). The dimensions of caps and colars shall be strictly as per IS 1239 (Part-II) 1982 with all amendments including cost of material and labour charges for fixing, if any etc. complete with all lead and lifts and as directed by the Engineer in charge and as per the directions of the Engineer-in-charge of the work	Each	4.00	183.95	735.82	0.00	0.00	4.00	183.95	735.82	4.00	735.82

E5	Supply and delivery at site wrought middle steel (galvanized) 50 mm dia GI hexagonal nipple confirming to IS 1239-II, 1991 with latest amendments if any and as per the directions of the Engineer-in-charge of the work	Each	12.00	245.65	2947.75	0.00	0.00	12.00	245.65	2947.75	12.00	2947.75
E6	Supply and delivery at site wrought middle steel (galvanized) 50 mm dia GI elbow confirming to IS 1239-II, 1991 with latest amendments if any for and as per the directions of the Engineer-in-charge of the work	Each	12.00	196.29	2355.51	0.00	0.00	12.00	196.29	2355.51	12.00	2355.51
E7	Labour charges for erection of outdoor type panel board and meter boardunits with all necessary materials and labour, tools and equipments including providing cement concrete foundation bed etc., complete as per specification, with testing of as per instructions and as per the directions of the Engineer-in-charge of the work	Job	4.00	1514.25	6057.02	0.00	0.00	4.00	1514.25	6057.02	4.00	6057.02
E8	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete cutting road surfaces and as per the directions of the Engineer-in-charge of the work	Mtr	47.00	412.98	19409.99	0.00	0.00	47.00	412.98	19409.99	47.00	19409.99
E9	Earthing: Supplying and fixing and wiring earth electrode for grounding circuits IC cutouts and other equipments on the meter board in the pit. The pits should be filled up with equal proportion of salt and charcoal 150mm around the pipe to complete depth. The connection from the pipe to the conduits etc. is to established through GI wire of sizes as per clause 7.3.3 of IS 732 using 12mm bolts, nuts, washers and check nuts, the pipe shall have 16 through holes of 12mm dia and as per the directions of the Engineer-in-charge of the work	Job	4.00	4206.26	16825.05	0.00	0.00	4.00	4206.26	16825.05	4.00	16825.05
E10	Supply and delivery at site of brand new best make gate valve as per IS 778/1984 with ISI Mark and as per its latest amendments Size 50 mm and as per the directions of the Engineer-in-charge of the work	Each	4.00	1402.09	5608.35	0.00	0.00	4.00	1402.09	5608.35	4.00	5608.35
E11	Supply and delivery at site of brand new best make non-return valve as per IS 778/1984 with ISI Mark and as per its latest amendments Size 50 mm and as per the directions of the Engineer-in-charge of the work	Each	4.00	1430.13	5720.52	0.00	0.00	4.00	1430.13	5720.52	4.00	5720.52
	SUB TOTAL				109549151.28		105890972.25	**SUB TOTAL**		3596107.85		109487080.10
	GST 18%				19718847.23		19060375.01	**GST 18%**		647299.41		19707674.42
	BESCOM Deposit Charges				75000.00					75000.00		75000.00
	GRAND TOTAL				129342998.51		124951347.26	**GRAND TOTAL**		4318407.27		129269754.52

CERTIFICATE

1 Certified that the work done is satisfactorily.

2 There is no departmental issues by BBMP

Contractor

NEWZEN CONSULTANT Bangalore Consultants

Assistant Engineer

Asst. Executive Engineer

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore